

# MILITARY SPECIFICATION SHEET

## CONNECTOR, RECEPTACLE, FIBER OPTIC, BULKHEAD MOUNT, FOR SINGLE FIBER

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and the issue of the following specification listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation: MIL-C-83522.

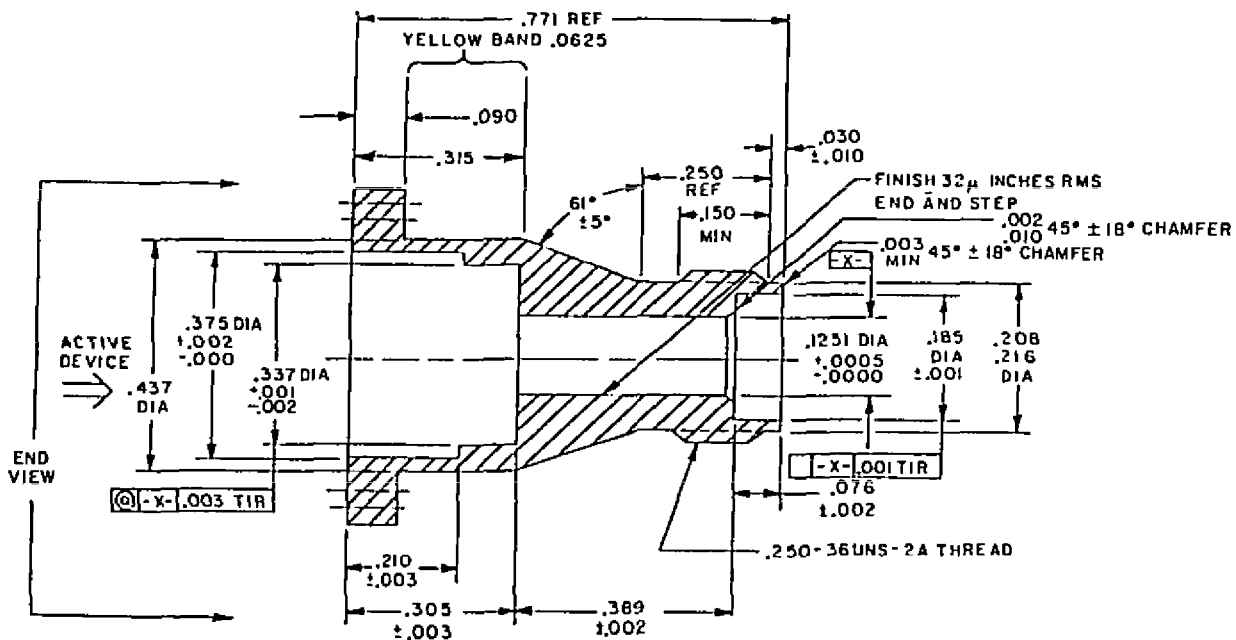
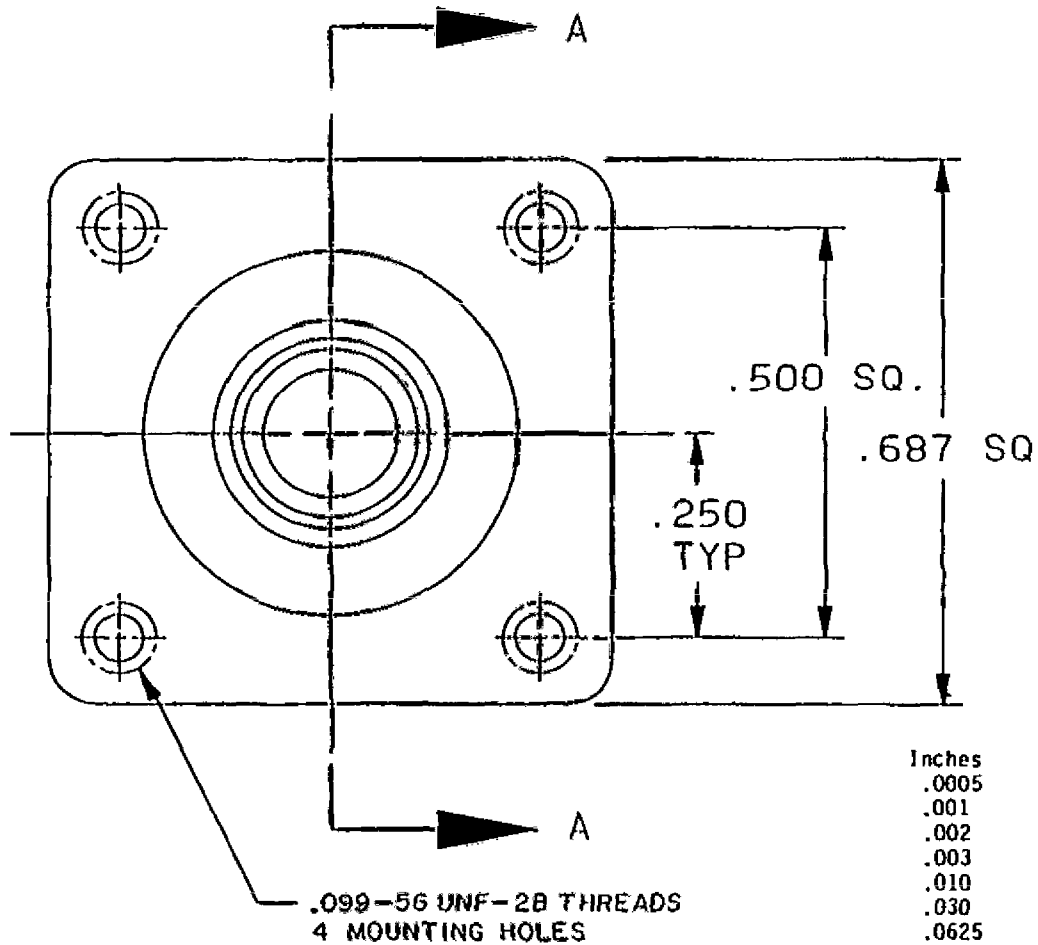


FIGURE 1. Dimensions and configurations.



## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are  $\pm .005$  (0.13 mm).

Inches	mm
.0005	0.013
.001	0.03
.002	0.05
.003	0.08
.010	0.25
.030	0.76
.0625	1.59
.076	1.93
.090	2.29
.1251	3.178
.150	3.81
.185	4.70
.208	5.28
.210	5.33
.216	5.49
.250	6.35
.315	8.00
.337	8.56
.350	8.89
.375	9.53
.389	9.88
.437	11.10
.500	12.70
.687	17.45
.771	19.58

FIGURE 1. Dimensions and configurations - Continued.

MIL-C-83522/50

REQUIREMENTS:

Metals: The receptacle housing and other metal components shall be of corrosion resistant steel per QQ-S-763, class 303 or nickel plated brass per QQ-B-626.

Weight: 4 grams maximum.

Safety wire holes: Not required.

Force to engage and disengage:

Longitudinal force: 12 pounds maximum.

Torque: 4 inch-pounds maximum.

Coupling proof torque: Not applicable.

Coupling mechanism retention force: Not applicable.

Ozone exposure: Not applicable.

Part or Identifying Number: M83522/5-01.

Receptacle accessories: TO can insert alignment sleeve(s) and 1 dust cover.

NOTES: The receptacle mates with MIL-C-83522/1 plug, MIL-C-83522/2 plug, and MIL-C-83522/6 plug.

The receptacle accepts TO can sizes 5, 18, 46 and 52.

Revision letters are not used to denote changes due to the extensiveness of the changes.

CONCLUDING MATERIAL

Custodians:  
Army - CR  
Navy - EC  
Air Force - 85  
NASA - NA

Preparing activity:  
Air Force - 85

Agent:  
DLA - ES

Review activities:  
Navy - SH  
Air Force - 11, 17, 19, 80, 90, 99  
DLA - ES

(Project 6060-0073-5)

User activities:  
Navy - AS, MC, OS  
Air Force - 13, 14